

## UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG ☒ ELECTRIC LOGS ☒ WATER SANDS ☒ LOCATION INSPECTED ☒ SUB. REPORT/abd.

970818 Conf. exp!

DATE FILED MAY 14, 1996

LAND: FEE &amp; PATENTED

STATE LEASE NO.

PUBLIC LEASE NO.

INDIAN #

DRILLING APPROVED: MAY 17, 1996

14-20-H62-3503

SPUDDED IN:

MAY 21, 1996

COMPLETED:

7-16-96 ROW

PUT TO PRODUCING:

INITIAL PRODUCTION:

107 Bbl  $\rightarrow$   $\varnothing$  MCF  $\rightarrow$  40 Bbl

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

5392-6384' GRRV

TOTAL DEPTH:

6459' KB

WELL ELEVATION:

5934' KB  $\rightarrow$  5924' GL

DATE ABANDONED:

FIELD:

ANTELOPE CREEK

UNIT:

COUNTY:

DUCHESNE

WELL NO.

UTE TRIBAL 04-02

API NO. 43-013-31656

LOCATION

660 FNL

FT. FROM (N) (S) LINE,

1970 FEL

FT. FROM (E) (W) LINE.

NW NE

1/4 - 1/4 SEC.

4



QUATERNARY		Star Point	Chinle	Molas
Alluvium		Wahweap	Shinarump	Manning Canyon
Lake beds		Masuk	Moenkopi	Mississippian
Pleistocene		Colorado	Sinbad	Humbug
Lake beds		Sego	PERMIAN	Brazer
TERTIARY		Buck Tongue	Kaibab	Pilot Shale
Pliocene		Castlegate	Coconino	Madison
Salt Lake		Mancos	Cutler	Leadville
Oligocene		Upper	Hoskinnini	Redwall
Norwood		Middle	DeChelly	DEVONIAN
Eocene		Lower	White Rim	Upper
Duchesne River		Emery	Organ Rock	Middle
Uinta		Blue Gate	Cedar Mesa	Lower
Bridger		Ferron	Halgaite Tongue	Ouray
Green River		Frontier	Phosphoria	Elbert
X marker	41649	Dakota	Park City	McCracken
Douglas Creek	4788	Burro Canyon	Rico (Goodridge)	Aneth
B- limestone	5168	Cedar Mountain	Supai	Simonson Dolomite
Castle Peak	5784	Buckhorn	Wolfcamp	Sevy Dolomite
Basal carb	6168	JURASSIC	CARBON I FEROUS	North Point
Wasatch		Morrison	Pennsylvanian	SILURIAN
Stone Cabin		Salt Wash	Oquirrh	Laketown Dolomite
Colton		San Rafael Gr.	Weber	ORDOVICIAN
Flagstaff		Summerville	Morgan	Eureka Quartzite
North Horn		Bluff Sandstone	Hermosa	Pogonip Limestone
Almy		Curtis		CAMBRIAN
Paleocene		Entrada	Pardox	Lynch
Current Creek		Moab Tongue	Ismay	Bowman
North Horn		Carmel	Desert Creek	Tapeats
CRETACEOUS		Glen Canyon Gr.	Akah	Ophir
Montana		Navajo	Barker Creek	Tintic
Mesaverde		Kayenta		PRE - CAMBRIAN
Price River		Wingate	Cane Creek	
Blackhawk		TRIASSIC		



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

b. TYPE OF WELL

OIL  
WELL ☒

GAS  
WELL ☐

OTHER

SINGLE  
ZONE ☐

MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

PETROGLYPH OPERATING CO., INC

3. ADDRESS AND TELEPHONE NO.

P.O. BOX 607 ROOSEVELT, UT 84066

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At surface

660' FNL & 1970' FEL LOT 2  
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

19.8 miles southwest of Myton, UT

10. DISTANCE FROM PROPOSED\*  
LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drig. unit line, if any)

660'

16. NO. OF ACRES IN LEASE

727.80

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

18. DISTANCE FROM PROPOSED\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

6461'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5924.3 Graded Ground

22. APPROX. DATE WORK WILL START\*

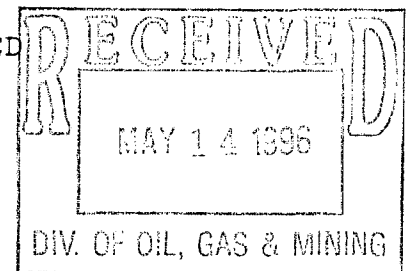
May 1996

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24.0#	250'	135 sx class "G" + 2% CaCl <sub>2</sub>
7 7/8	5 1/2	15.5#	6461'	+ 1/4 #/sx Celloflake.
				50/50 POZMIX + 2% GEL + 10% SALT TO 400' ABOVE ALL ZONES OF INTEREST (+10% EXCESS). LIGHT CEMENT (11 PPG + ) + LCM TO 200' ABOVE OIL SHALE OR FRESH WATER INTERVALS ( + 5% EXCESS).

PETROGLYPH OPERATING COMPANY INC WILL BE THE DESIGNATED  
OPERATOR OF THE SUBJECT WELL UNDER BOND # BO 4556.

pc: Utah Division of Oil, Gas and Mining  
Bureau of Indian Affairs, Fort Duchesne, UT  
Uintah & Ouray Tribe, Fort Duchesne, UT



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

TITLE

AGENT FOR PETROGLYPH

DATE

5-10-96

(This space for Federal or State office use)

PERMIT NO.

43-013-31656

APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY

TITLE

DATE

\*See Instructions On Reverse Side



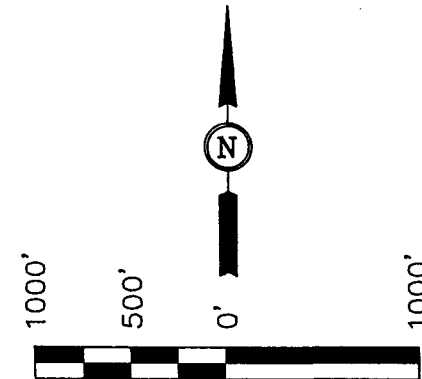
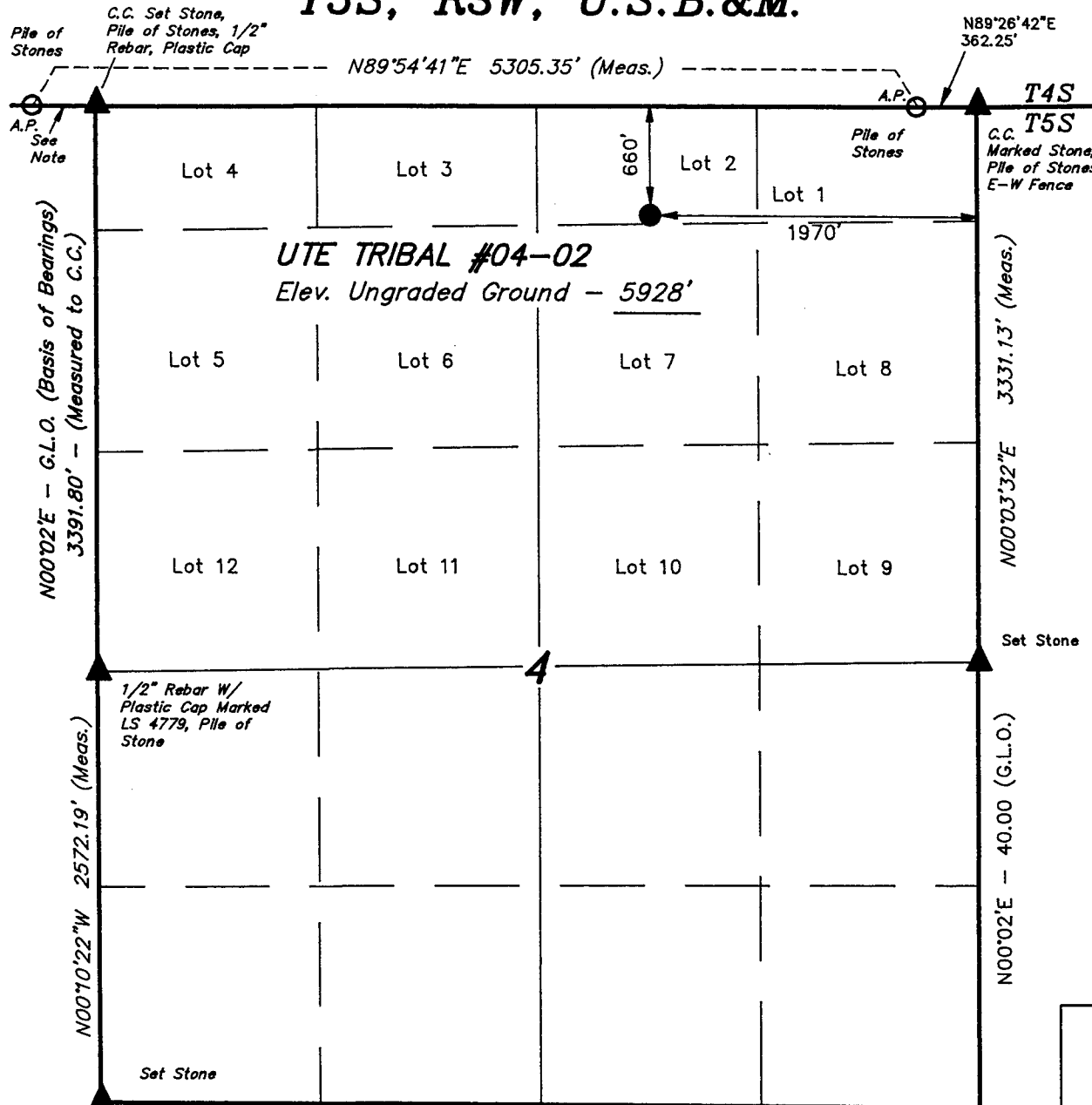
**T5S, R3W, U.S.B.&M.**

**PETROGLYPH OPERATING CO., INC.**

Well Location, UTE TRIBAL #04-02, located as shown in Lot 2 of Section 4, T5S, R3W, U.S.B.&M. Duchesne County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION AT THE SOUTHWEST CORNER OF SECTION 5, T5S, R3W, U.S.B.&M. TAKEN FROM THE DUCHESNE SE QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5811 FEET.



SCALE

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

*Robert L. Kay*  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 161319  
 STATE OF UTAH

**UINTAH ENGINEERING & LAND SURVEYING**  
 85 SOUTH 200 EAST - VERNAL, UTAH 84078  
 (801) 789-1017

LEGEND:

- = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.
- A.P. = ANGLE POINT

S89°50'E - 79.90 (G.L.O.)

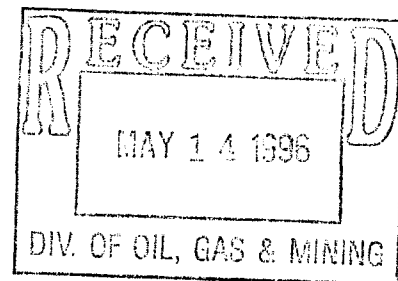
NOTE:  
 ANGLE POINT BEARS S89°55'15"W  
 379.48' FROM THE NORTHWEST  
 CORNER C.C. OF SECTION 4.

SCALE 1" = 1000'	DATE SURVEYED: 4-8-96	DATE DRAWN: 4-19-96
PARTY J.F. D.G. D.R.B.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE PETROGLYPH OPERATING CO., INC.	



EIGHT POINT PLAN

UTE TRIBAL # 04-02  
Lot 2 SEC. 4, T5S R3W  
DUCHESNE COUNTY, UTAH



1. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

FORMATIONS	DEPTH	SUBSEA
Mahagony Shale	3014	2922
'X' marker	4658	1278
'Y' marker	4766	1170
Douglas Creek	4798	1138
"B" Limestone	5178	758
B/Castle Peak Limestone	5771	165
Basal Carbonate Limestone	6161	-225
Total Depth	6461	-525

Anticipated BHP                      2800 psi

2. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS FORMATIONS:

Substance	Formation	Depth	Subsea
Oil/Gas	Douglas Creek	4798	1138
Oil/Gas	B/Castle Peak	5771	165
Other mineral zones	N/A		

3. PRESSURE CONTROL EQUIPMENT : BOP Schematic Diagram attached.

4. CASING PROGRAM :

						<u>MINIMUM SAFETY FACTOR</u>		
<u>HOLE SIZE</u>	<u>INTERVAL</u>	<u>LENGTH</u>	<u>SIZE</u>	<u>WEIGHT</u>	<u>GRADE</u>	<u>COLLAPSE</u>	<u>BURST</u>	<u>TENSILE</u>
12 1/4	0' - 250'	250'	8 5/8	24.0 #	J-55	1370 PSI	2950 PSI	263,000#
7 7/8	0' - 6461'	6461'	5 1/2	15.5 #	J-55	4040 PSI	4810 PSI	202,000#

All casing will be new or inspected.



EIGHT POINT PLAN

UTE TRIBAL # 04-02  
Lot 2 SEC. 4, T5S R3W  
DUCHESNE COUNTY, UTAH

5. MUD PROGRAM

INTERVAL

0' - 250'  
250' - 4000'  
4000' - TD  
TD

MUD TYPE

Air  
Air/Mist & Aerated Water  
Air/3% KCL water or KCL substitute  
Gel/polyacrylamide polymer w/5-10% LCM

Sufficient mud inventory will be maintained on location during drilling to handle any adverse conditions that may arise.

6. VARIANCE REQUESTS:

- A. Petroglyph Operating Co., Inc. requests a variance to regulations requiring a straight run blooie line.
- B. Petroglyph Operating Co., Inc. requests a variance to regulations requiring an automatic ignitor or continuous pilot light on the blooie line.

7. EVALUATION PROGRAM:

Logs: Mud Logging	T.D. to base of surface csg.
Compensated Density-Compensated Neutron Log	T.D. to base of surface csg.
Dual Laterolog - Micro-SFL	T.D. to base of surface csg.
Numar (Magnetic Resonance Imaging Log)	@ Geologists discretion

Cores: None Programmed  
DST': None Programmed

Completion: To be submitted at a later date.

8. ABNORMAL CONDITIONS:

None anticipated.



EIGHT POINT PLAN

UTE TRIBAL # 04-02  
Lot 2 SEC. 4, T5S R3W  
DUCHESNE COUNTY, UTAH

9. STANDARD REQUIRED EQUIPMENT:

- A. Choke Manifold
- B. Kelly Cock
- C. Stabbing Valve
- D. Visual Mud Monitoring

10. HAZARDOUS CHEMICALS:

No chemicals subject to reporting under SARA title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

(Attachment: BOP Schematic Diagram)

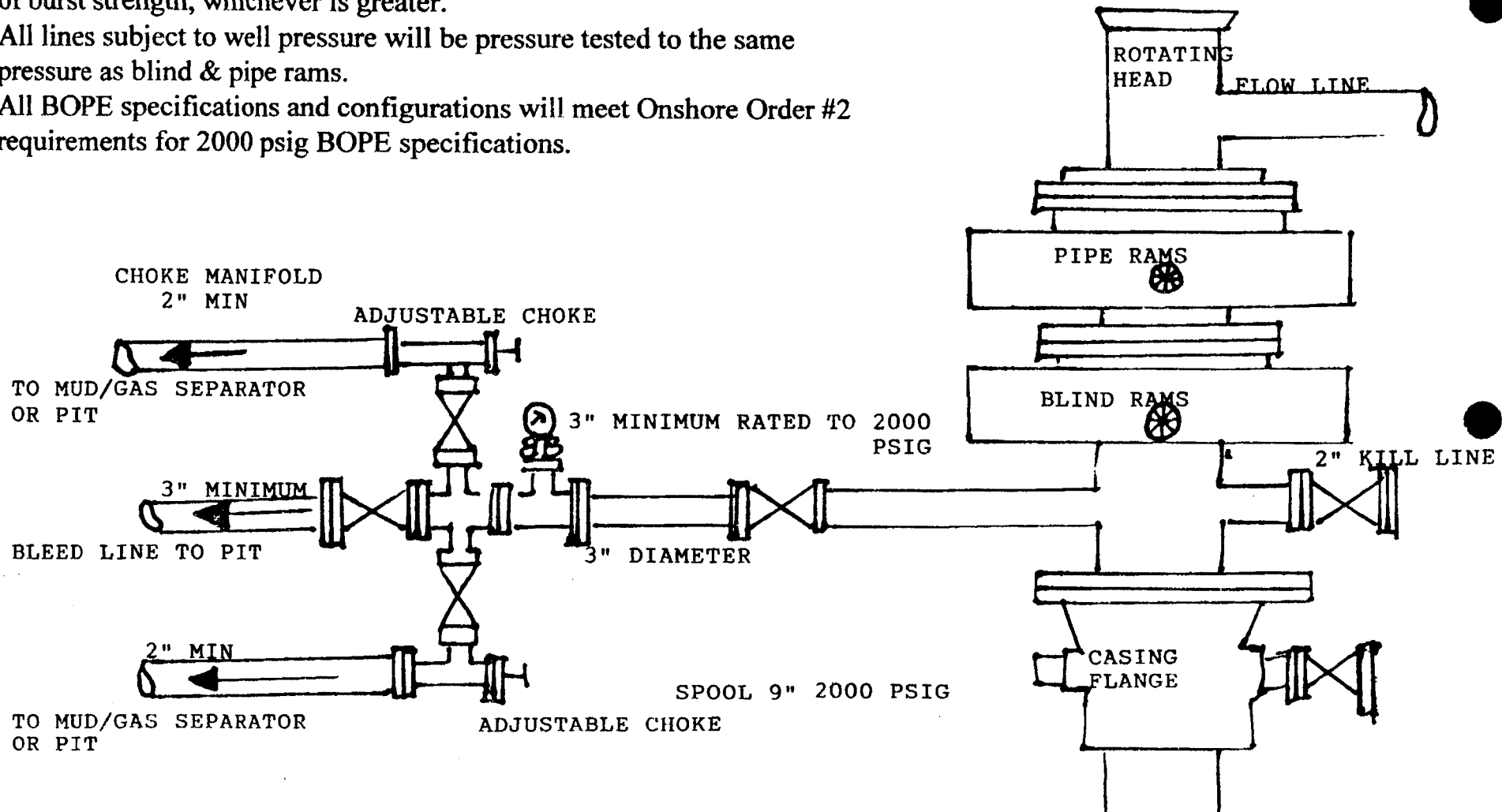


## 2000 PSIG DIAGRAM

BOTH RAMS ARE 2000 PSIG RATED.  
CASING FLANGE IS 9" 2000 PSIG RATED.  
BOPE 9" 2000 PSIG

### TESTING PROCEDURE:

1. BOPE 's will be tested with a professional tester to conform to Onshore Order #2 with retest every 14 days.
2. Blind & Pipe rams will be tested to rated working pressure, 2000 psig
3. Casing will be tested to 0.22 psi/ft. or 1500 psig. Not to exceed 70% of burst strength, whichever is greater.
4. All lines subject to well pressure will be pressure tested to the same pressure as blind & pipe rams.
5. All BOPE specifications and configurations will meet Onshore Order #2 requirements for 2000 psig BOPE specifications.





CONDITIONS OF APPROVAL  
FOR THE SURFACE USE PROGRAM OF THE  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Petroglyph Operating Co., Inc.  
Well Name & Number: Ute Tribal #04-02  
Lease Number: BIA 14-20-H62-3503  
Location: 660' FNL & 1970' FEL Lot 2, Sec. 4, T5S R3W  
U.S.B.&M., Duchesne County, Utah  
Surface Ownership: Ute Indian Tribe

NOTIFICATION REQUIREMENTS

Location Construction - forty-eight (48) hours prior to construction of location and access roads.

Location Completion - prior to moving on the drilling rig.

Spud Notice - at least twenty-four (24) hours prior to spudding the well.

Casing String and Cementing - twenty-four (24) hours prior to running casing and cementing all casing strings.

BOP and related Equipment Tests - twenty-four (24) hours prior to running casing and tests.

First Production Notice - within five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

For more specific details on notification requirements, please check the Conditions of Approval for Notice To Drill and Surface Use Program.



## THIRTEEN POINT SURFACE USE PROGRAM

### 1. EXISTING ROADS

- A. See attached Wellsite Plats showing directional reference stakes on location, and attached TOPO Map "B" showing access to location from existing road.
- B. The proposed well site is located approximately 19.8 miles southwest of Myton, Utah - See attached TOPO Map "A".
- C. Refer to attached Topographic Map "A" showing labeled access route to location.
- D. Existing roads will be maintained and repaired as necessary. No off lease Right-of-Way will be required.

### 2. PLANNED ACCESS ROAD

- A. The access road will be approximately 0.2 miles in length. See attached TOPO Map "B"
- B. The access road has a 30 foot ROW w/18 foot running surface.
- C. Maximum grade on access road will be 8%
- D. No turnouts will be required.
- E. Road drainage crossings shall be of the typical dry creek drainage crossing type.
- F. No culverts, bridges or major cuts & fills will be required.
- G. The access road will be dirt surface.
- H. No gates, cattleguards or fences will be required or encountered.

New or reconstructed roads will be centerlined - flagged at time of location staking.

All travel will be confined to existing access road Right-of-Way.

Access roads and surface disturbing activities will conform to standards outlined in the Bureau of Land Management and Forest Service Publication: Surface Operating Standards For Oil & Gas Exploration and Development, (1989).

The road shall be upgraded to meet the standards of the anticipated traffic flow and all-weather road requirements. Upgrading shall include ditching, drainage, graveling, crowning, and capping the



roadbed as necessary to provide a well-constructed safe road.

Prior to upgrading, the road shall be cleared of any snow cover and allowed to dry completely. Traveling off the 30 foot Right-of- Way will not be allowed.

Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossings nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by run off water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around them avoided.

As operator, Petroglyph Operating Co., Inc. shall be responsible for all maintenance on cattleguards, or gates associated with this oil and/or gas operation.

3. LOCATION OF EXISTING WELLS WITHIN A ONE MILE RADIUS OF PROPOSED WELL LOCATION

- A. Water wells - None
- B. Abandoned wells - None
- C. Temporarily abandoned wells - None.
- D. Disposal wells - 1\*
- E. Drilling wells - None.
- F. Producing wells - 8\*
- G. Shut in wells - None
- H. Injection wells - None

(\*See attached TOPO map "C" for location)

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

A. ON WELL PAD

- 1. Tank batteries - None
- 2. Production facilities-To be submitted later
- 3. Oil gathering lines - None



4. Gas gathering lines-None
5. Injection lines - None
6. Disposal lines - None
7. Surface pits - None

**B. OFF WELL PAD**

1. Proposed location of attendant off pad flowlines shall be flagged prior to archaeological clearance.
2. A 4 1/2" OD steel above ground production pipeline will be laid approximately 1250' from proposed location to a point in the NE/NW of Section 4, T5S, R3W, where it will tie into Petroglyph Operating Co., Inc.'s existing facility at the Ute Tribal #04-03 tank battery. Proposed pipeline crosses Ute Tribe lands, thus a Right-of-Way grant will be required. See attached TOPO Map D showing pipeline route.
3. Proposed pipeline will be a 4 1/2" OD steel, welded line laid on the surface.
4. Protective measures and devices for livestock and wildlife will be taken and/or installed where required.

If storage facilities/tank batteries are constructed on this lease, the facility/battery or the well pad shall be surrounded by a containment dike of sufficient capacity to contain, at a minimum, the entire contents of the largest tank within the facility/battery, unless more stringent protective requirements are deemed necessary by the authorized officer.

The production facilities will be placed on the Ute Tribal #04-03 location.

All permanent (on site for six months or longer) structures constructed or installed (including pumping units) will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities required will be painted within 6 months of installation. Facilities required to comply with O.S.H.A.



(Occupational Safety and Health Act) will be excluded.  
The required paint color is Desert Brown.

5. LOCATION & TYPE OF WATER SUPPLY

- A. Water supply will be from Target Trucking's Roosevelt Brine Storage and/or Target's water source in SE 1/4, Sec. 1, T 4S, R 5W Duchesne County, Utah (State water right #43-10152). All water will come from a non-depletable source.
- B. Water will be hauled by Target Trucking.
- C. No water well will be drilled on lease.

6. SOURCE OF CONSTRUCTION MATERIAL

- A. All construction material for this location and access road will be of native borrow and soil accumulated during the construction of location.
- B. All construction material will come from Ute Tribal Land.
- C. No mineral materials will be required.

7. METHODS OF HANDLING WASTE DISPOSAL

A. METHODS AND LOCATION

- 1. Cuttings will be confined in the reserve pit.
- 2. A portable toilet will be provided for human waste during the drilling and completion of the well. Disposal will be at the Vernal sewage disposal plant.
- 3. Burning will not be allowed. Trash and other waste material will be contained in a wire mesh cage and disposed of at an approved waste disposal facility.
- 4. Produced waste water will be confined to a lined pit or storage tank for a period not to exceed 90 days after initial production. During the 90 day period, an application for approval of a permanent disposal method and location, together with the required water analysis, will be submitted for the AO's approval.



5. All chemicals will be disposed of at an authorized disposal site. Drip pans and absorbent pads will be used on drilling rig to avoid leakage of oil to pit.

B. Water from drilling fluids and recovered during testing operations will be disposed of by either evaporating in reserve pit or be removed and disposed of at an authorized disposal site. Introduction of well bore hydrocarbons to reserve pit will be avoided by flaring them off in flare pit at time of recovery.

Burning of trash will not be allowed. All trash must be contained in a trash cage and hauled away to an approved disposal site at the completion of the drilling activities.

On BIA administered land:

All reserve pits will be lined with either native clay, commercial bentonite or plastic sufficient to prevent seepage. (If a plastic nylon reinforced liner is used, it shall be torn and perforated after the pit dries and before backfilling of the reserve pit).

A 12 mill liner shall be installed in the reserve pit.

\_\_\_To protect the environment:

If the reserve pit is lined the operator will provide the BIA with a chemical analysis of the fluids in that pit no later than 90 days after the well completion to determine the method for final reclamation of the reserve pit. If the elemental concentrations shown by the chemical analysis exceeds the requirements described by part II, Standards of Quality for Waters of the State, Wastewater Disposal Regulations, State of Utah Division of Health, the contents and liner will be removed and disposed of at an authorized disposal site.

\_\_\_To protect the environment (without a chemical analysis)  
reserve pits will be constructed so as not to leak, break, or allow discharge of liquids.

\_\_\_Storage tanks will be used if drill sites are located on tribal



irrigable land, flood plains, or on lands under crop production. After first production, produced waste water will be confined to a lined pit or storage tank for a period not to exceed ninety (90) days. During the 90 day period, in accordance with NTL-2B, an application for approval of a permanent disposal method and location, along with required water analysis, shall be submitted for the AO's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance.

#### 8. ANCILLARY FACILITIES

- A. No airstrips or camps are planned for this well.

#### 9. WELL SITE LAYOUT

- A. Refer to attached well site plat for related topography cuts and fills & cross sections.
- B. Refer to attached well site plat for rig layout and soil material stockpile location as approved on On-site.
- C. Refer to attached well site plat for rig orientation parking areas, and access road.

The reserve pit will be located on the North side of the location.

The flare pit will be located downwind of the prevailing wind direction on the North side of the location, a minimum of 100 feet from the well head and 30 feet from the reserve pit fence.

The stockpiled topsoil will be stored on the Northeast corner.

Access to the well pad will be from the East.

N/A



## FENCING REQUIREMENTS

All pits will be fenced according to the following minimum standards:

- A. 39 inch net wire shall be used with at least one strand of barbed wire on top of the net wire. (barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence).
- B. The net wire shall be no more than 2 inches above the ground. The barbed wire strand shall be 3 inches above the net wire. Total height of the fence shall be at least 42 inches.
- C. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
- D. Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than 16'.
- E. All wire shall be stretched by using a stretching device before it is attached to the corner posts.

The reserve pit fencing will be on the three sides during drilling operations and on the fourth side when the rig moves off the location. Pits will be fenced and maintained until clean-up.

Each existing fence to be crossed by the access road shall be braced and tied off before cutting so as to prevent slacking of the wire. The opening shall be closed temporarily as necessary during construction to prevent the escape of livestock, and upon completion of construction the fence shall be repaired to BIA or SMA specifications. A cattleguard with an adjacent 16 foot gate shall be installed in any fence where a road is to be regularly travelled. If the well is a producer, the cattleguards (shall/ shall not) be permanently mounted on concrete bases. Prior to a new road, crossing any fence located on federal land, or any fence between federal land and private land, the operator will contact the BIA, who will in turn contact the grazing permittee or owner of said fence and offer him/her the opportunity to be present when the fence is cut in order to



satisfy himself/herself that the fence is adequately braced and tied off.

## 10. PLANS FOR RESTORATION OF SURFACE

### A. PRODUCING LOCATION

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, materials, trash, and junk not required for production.

Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with CFR 3162.7-1.

If a plastic nylon reinforced liner is used, it shall be torn and perforated before backfilling of the reserve pit.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 120 days from the date of well completion (weather permitting). Before any dirt work takes place, the reserve pit will be completely dry and all cans, barrels, pipe, fluid, and hydrocarbons, will be removed.

Contact appropriate surface management agency for required seed mixture.

### B. DRY HOLE/ABANDONED LOCATION

At such time as the well is plugged and abandoned, the operator will submit a subsequent report of abandonment and BIA will attach the appropriate surface rehabilitation conditions of approval.

#### ON BIA Administered lands:

Abandoned well sites, roads, or other disturbed areas will be restored to near their original condition. This procedure will include: (a) reestablishing irrigation systems where applicable, (b) reestablishing soil conditions in irrigated fields in such a way as to ensure cultivation and harvesting of crops and, (c) ensuring revegetation of the disturbed areas to the specifications of the Ute Indian Tribe or the BIA at the time of abandonment.



11. SURFACE OWNERSHIP

Access road: Ute Indian Tribe

Location: Ute Indian Tribe

12. OTHER INFORMATION

- A. Petroglyph Operating Co., Inc. will inform all persons in the area who are associated with this project that they are subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator will immediately stop work that might further disturb such materials, and contact the AO. Within five working days the AO will inform the operator as to:  
-whether the materials appear eligible for the National Register of historic Places;

the mitigation measures the operator will likely have to undertake before the site can be used.

-a time frame for the AO to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate.

If the operator wished, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials that may be required. Otherwise, the operator will be responsible for mitigation costs. The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that required mitigation has been completed, the operator will then be allowed to resume construction.

- B. As operator, Petroglyph Operating Co., Inc. will control noxious weeds along Right-of-Ways for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds will be obtained from the BIA,



or the appropriate County Extension Office. On BIA administered land, a Pesticide Use proposal shall be submitted, and given approval, prior to the application of herbicides or other pesticides or possible hazardous chemicals.

- C. Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on Tribal Lands after the conclusion of drilling operations or at any other time without BIA authorization. However, if BIA authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.

On BIA administered land:

Operator's employees, including subcontractors, will not gather firewood along roads constructed by operators. If wood cutting is required, a permit will be obtained from the Forestry Department of the BIA pursuant to 25 CFR 169.13 "Assessed Damages Incident to Right-of-Way authorization". All operators, subcontractors, vendors, and their employees or agents may not disturb saleable timber (including firewood) without a duly granted wood permit from the BIA Forester.

If the surface rights are owned by the Ute Indian Tribe and mineral rights are owned by another entity, an approved right-of-way will be obtained from the BIA before the operator begins any construction activities. If the surface is owned by another entity and the mineral rights are owned by the Ute Indian Tribe, rights-of-way will be obtained from the other entity.

All roads constructed by operators on the Uintah and Ouray Indian Reservation will have appropriate signs. Signs will be neat and of sound construction. They will state: (a) that the land is owned by the Ute Indian Tribe, (b) the name of the operator, (c) that firearms are prohibited to all non-Ute Tribal members (d) that permits must be obtained from the BIA before cutting firewood or other timber products, and (e) only authorized personnel permitted. All well site locations on the Uintah and Ouray Indian Reservation will have an appropriate sign indicating the name of the operator,



the lease serial number, the well name and number, the survey description of the well (either footage or the quarter-quarter section, the section, township, and range).

Additional Surface Stipulations

N/A No construction or drilling activities shall be conducted between

\_\_\_\_\_ and \_\_\_\_\_ because of \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

N/A No surface occupancy will be allowed within 1,000 feet of any sage grouse strutting ground.

N/A No construction or exploration activities are permitted within 1.5 mile radius of sage grouse strutting grounds from April 1 to June 30.

N/A There shall be no surface disturbance within 600 feet of live water (includes stock tanks, springs, and guzzlers).

N/A No cottonwood trees will be removed or damaged.

N/A Pond will be constructed according to BLM specifications approximately \_\_\_\_\_ ft. \_\_\_\_\_ of the location, as flagged on onsite.

LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION

PERMITTING

Ed Trotter

1620 West 750 North

Vernal UT 84078

Telephone # (801)789-4120

Fax # (801) 789-1420

OPERATIONS

Dan Lindsey

P.O. Box 607

Roosevelt, UT 84066

(801) 722-2531

Fax # (801) 722-9145

All lease/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approval plan of operations, and any applicable Notice to Lessees. Petroglyph Operating Co., Inc. is fully responsible for the actions of their subcontractors. A copy of these conditions will be furnished to the field representative to insure compliance.



A copy of the approved APD and ROW grant, if applicable, shall be on location during construction of the location and drilling activities.

The BIA Office shall be notified upon site completion prior to moving on the drilling rig.

Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in the Plan are to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Petroglyph Operating Co., Inc. and its contractors and sub-contractors in conformity with this Plan and the terms and conditions under which it is approved.

5-10-96

Date

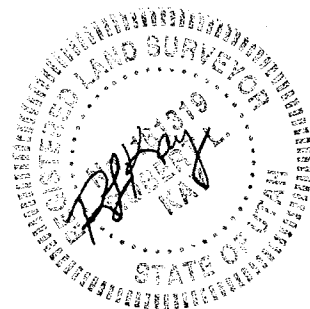
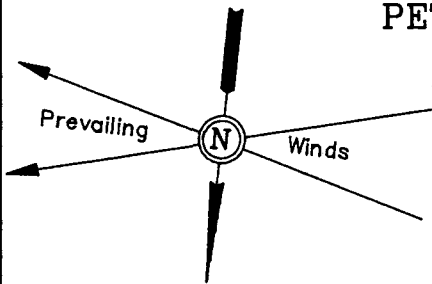
Ed Little



# PETROGLYPH OPERATING CO., INC.

## LOCATION LAYOUT FOR

UTE TRIBAL #04-08  
SECTION 4, T5S, R3W, U.S.B.&M.  
2241' FNL 650' FEL



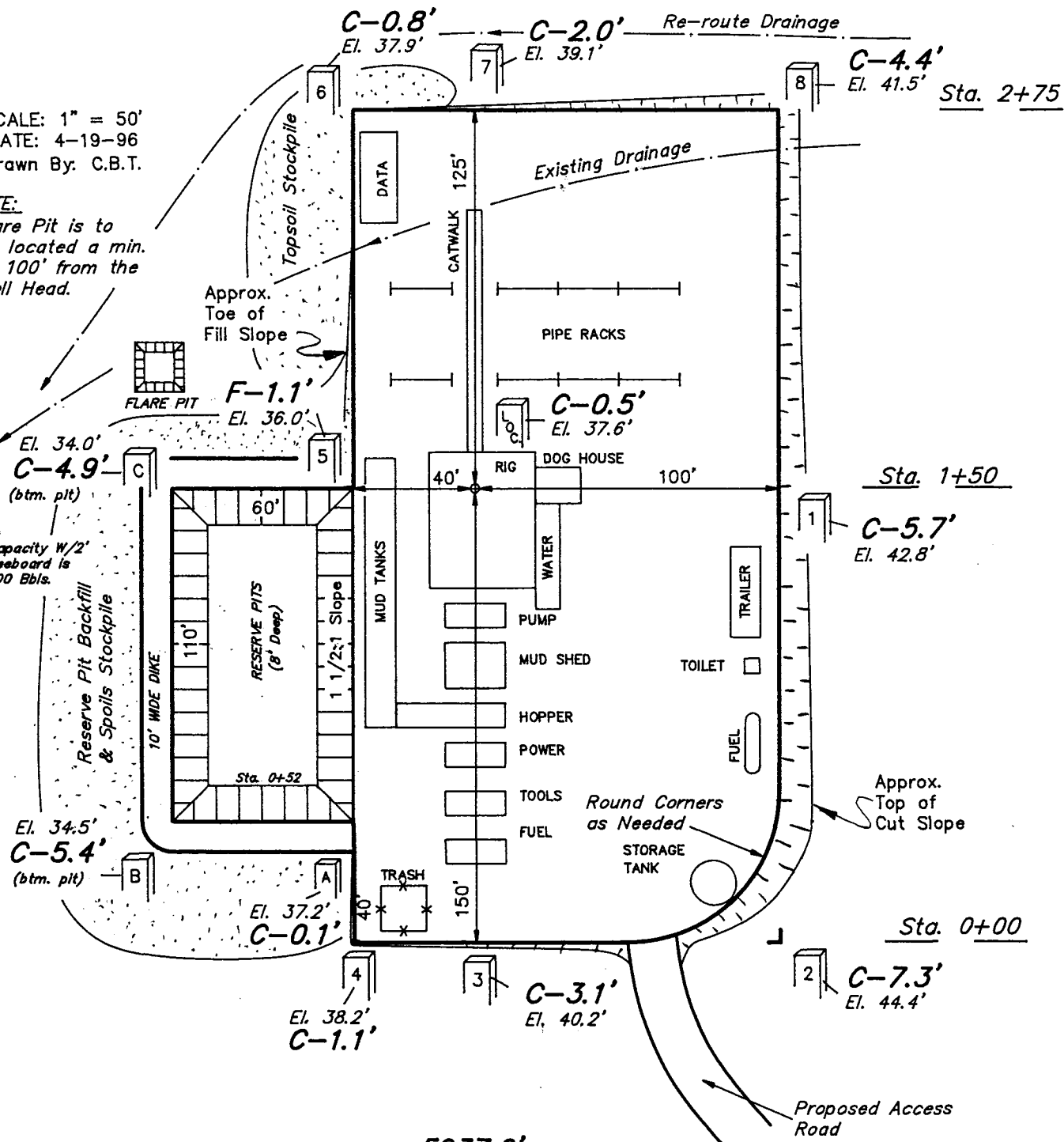
SCALE: 1" = 50'  
DATE: 4-19-96  
Drawn By: C.B.T.

### NOTE:

Flare Pit is to be located a min. of 100' from the Well Head.

### NOTE:

Pit Capacity W/2' of Freeboard is  $\pm 4,600$  Bbls.



Elev. Ungraded Ground at Location Stake = 5937.6'

Elev. Graded Ground at Location Stake = 5937.1'

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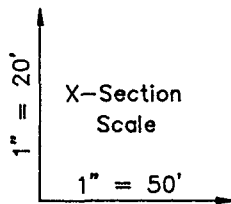
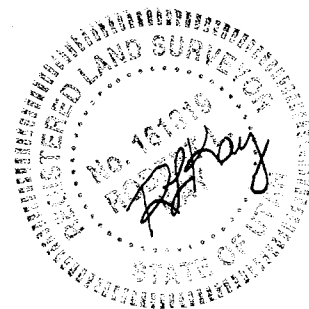
# PETROGLYPH OPERATING CO., INC.

## TYPICAL CROSS SECTIONS FOR

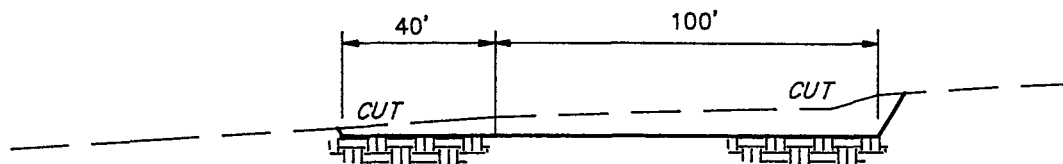
UTE TRIBAL #04-08

SECTION 4, T5S, R3W, U.S.B.&M.

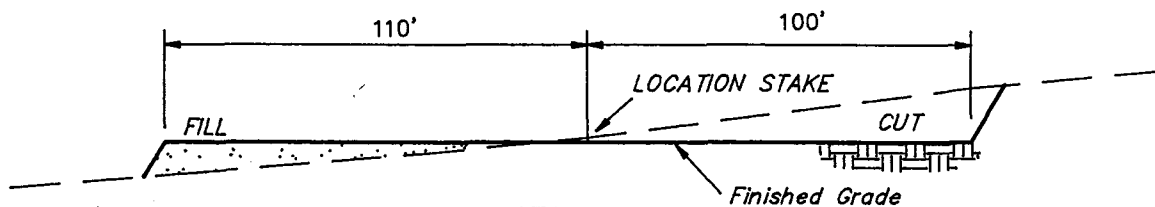
2241' FNL 650' FEL



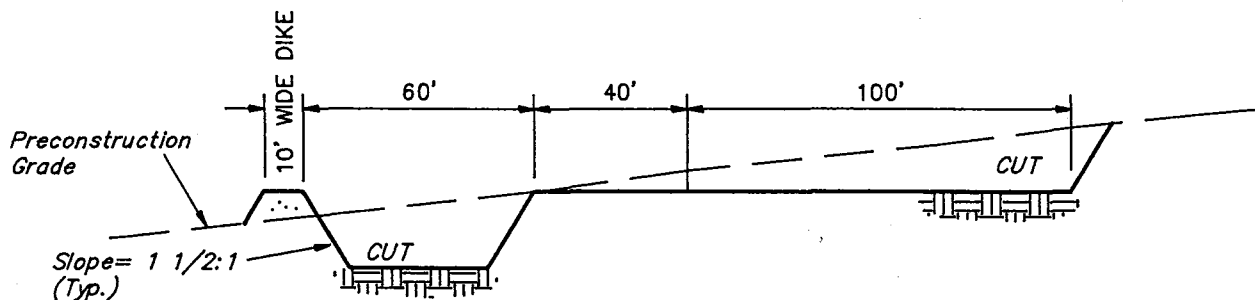
DATE: 4-19-96  
Drawn By: C.B.T.



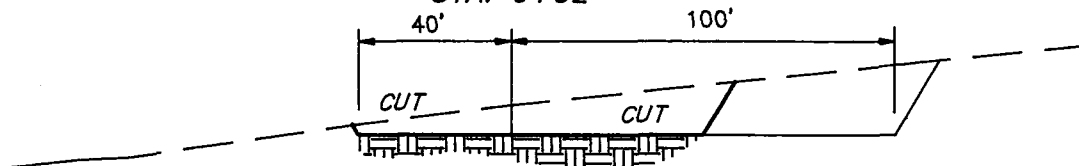
STA. 2+75



STA. 1+50



STA. 0+52



STA. 0+00

### NOTE:

Topsoil should not be Stripped Below Finished Grade on Substructure Area.

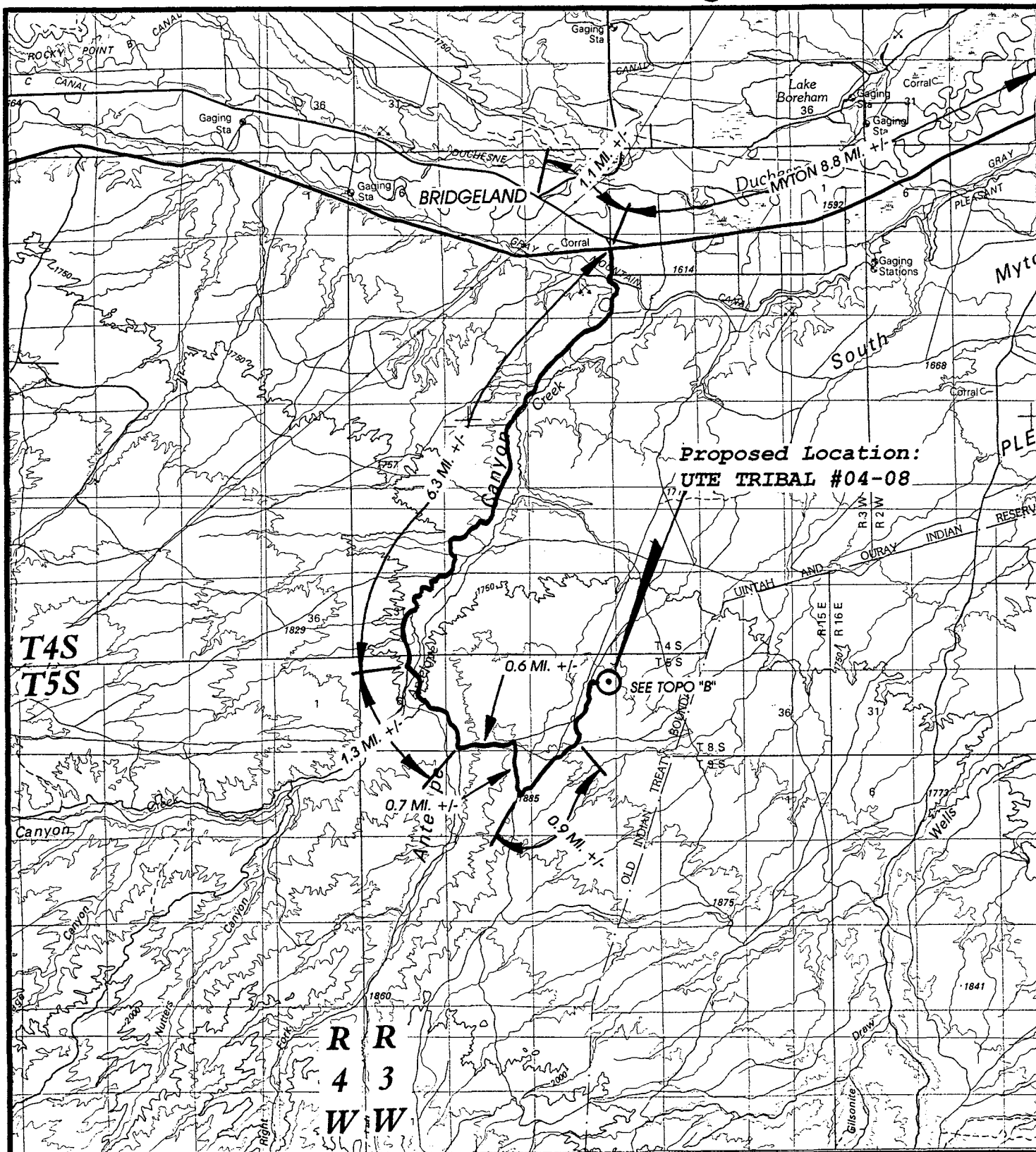
### APPROXIMATE YARDAGES

(12") Topsoil Stripping	= 1,670 Cu. Yds.
Remaining Location	= 3,630 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 5,300 CU.YDS.</b>
<b>FILL</b>	<b>= 660 CU.YDS.</b>

EXCESS MATERIAL AFTER 5% COMPACTION	= 4,610 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 2,370 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 2,240 Cu. Yds.

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U  
E  
I  
S

**TOPOGRAPHIC  
MAP "A"**

DATE: 4-18-96  
Drawn by: D.COX

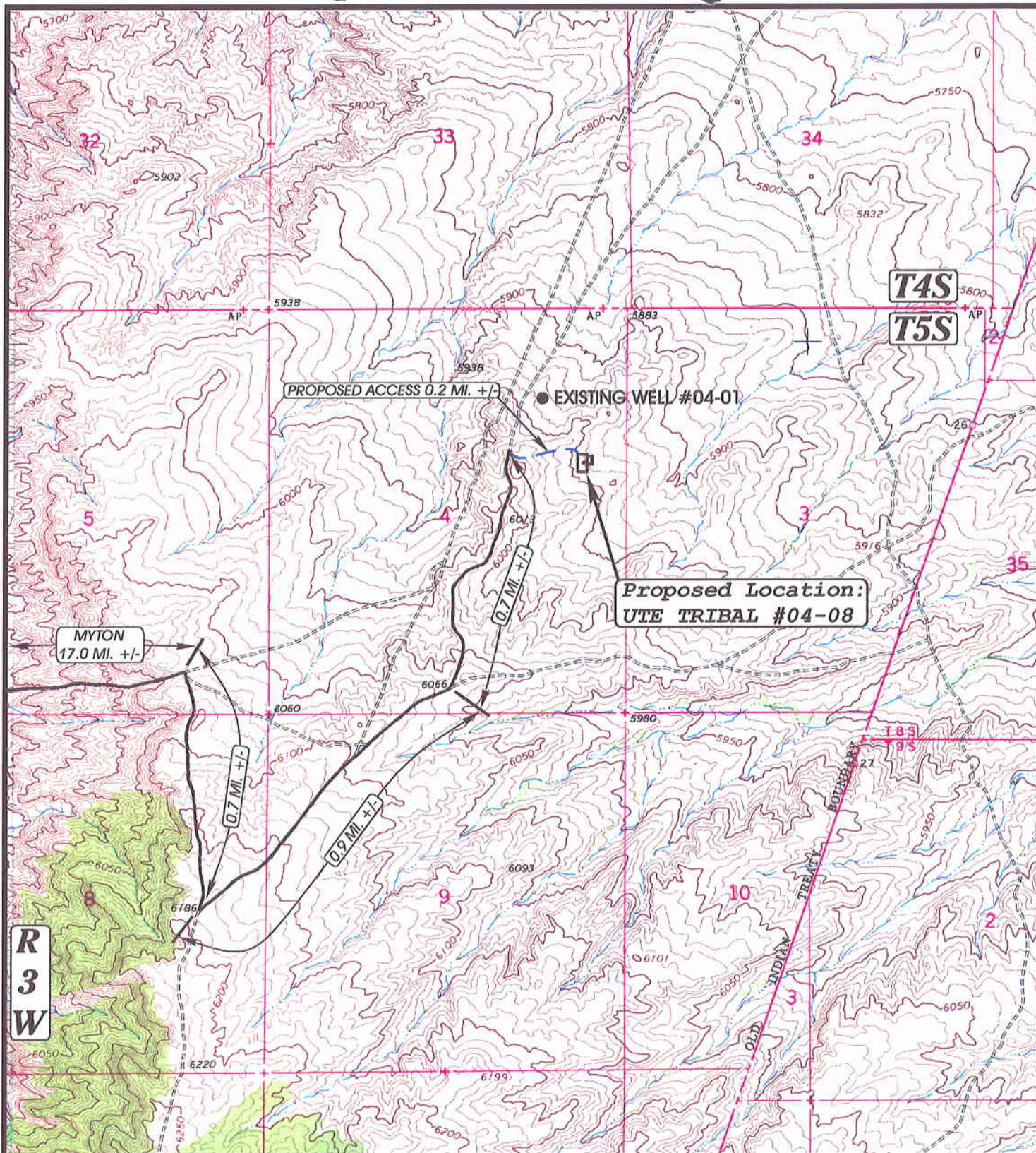
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**PETROGLYPH OPERATING CO., INC.**

UTE TRIBAL #04-08  
SECTION 4, T5S, R3W, U.S.B.&M.  
2241' FNL 650' FEL





**UELS**

**TOPOGRAPHIC  
MAP "B"**

**DATE: 4-18-96**

**Drawn by: D.COX**

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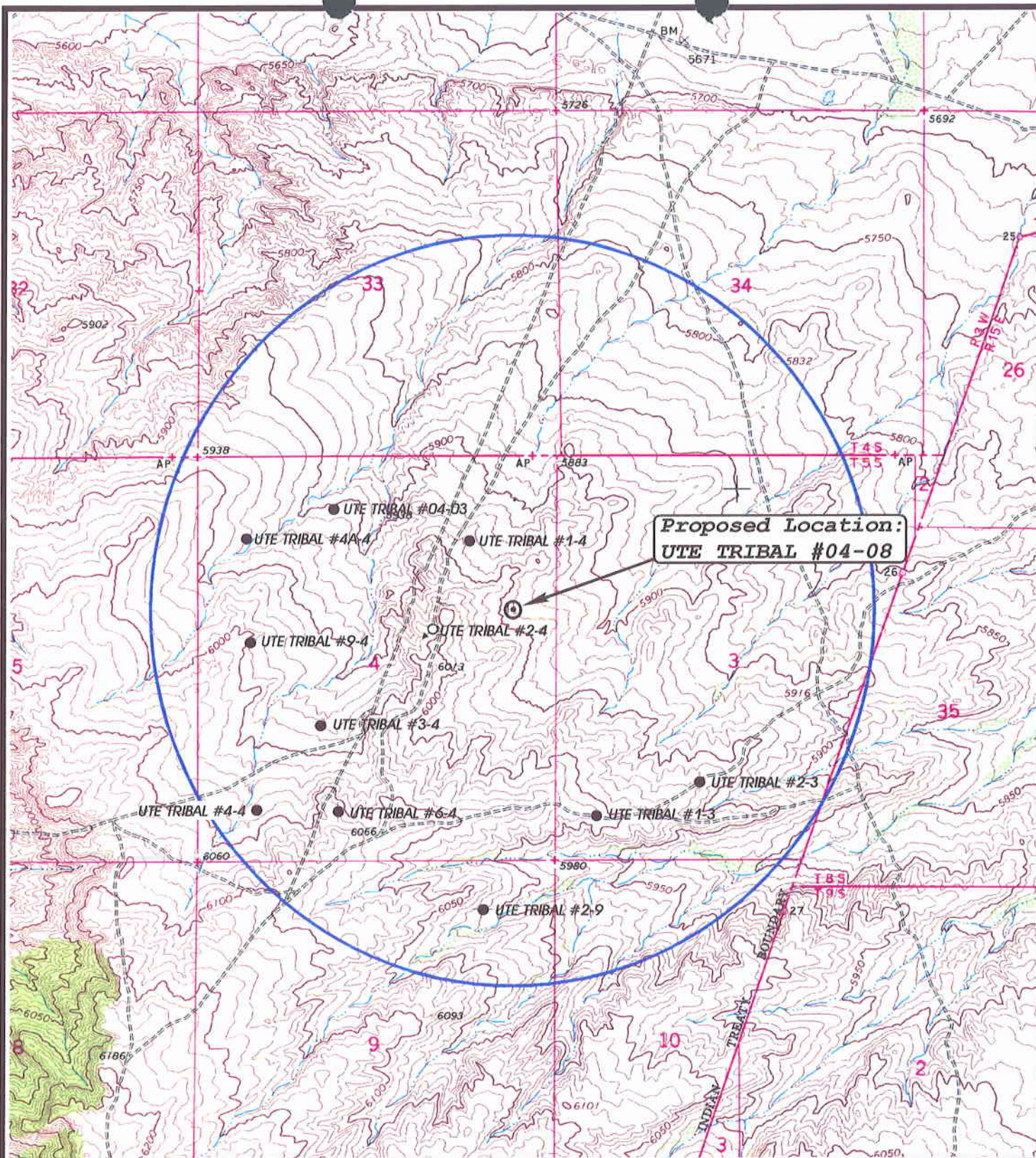


**PETROGLYPH OPERATING CO., INC.**

**UTE TRIBAL #04-08  
SECTION 4, T5S, R3W, U.S.B.&M.  
2241' FNL 650' FEL**

**SCALE: 1" = 2000'**





**LEGEND:**

- UELS**
- Water Wells
  - Abandoned Wells
  - Temporarily Abandoned Wells
  - Disposal Wells
  - Drilling Wells
  - Producing Wells
  - Shut-in Wells

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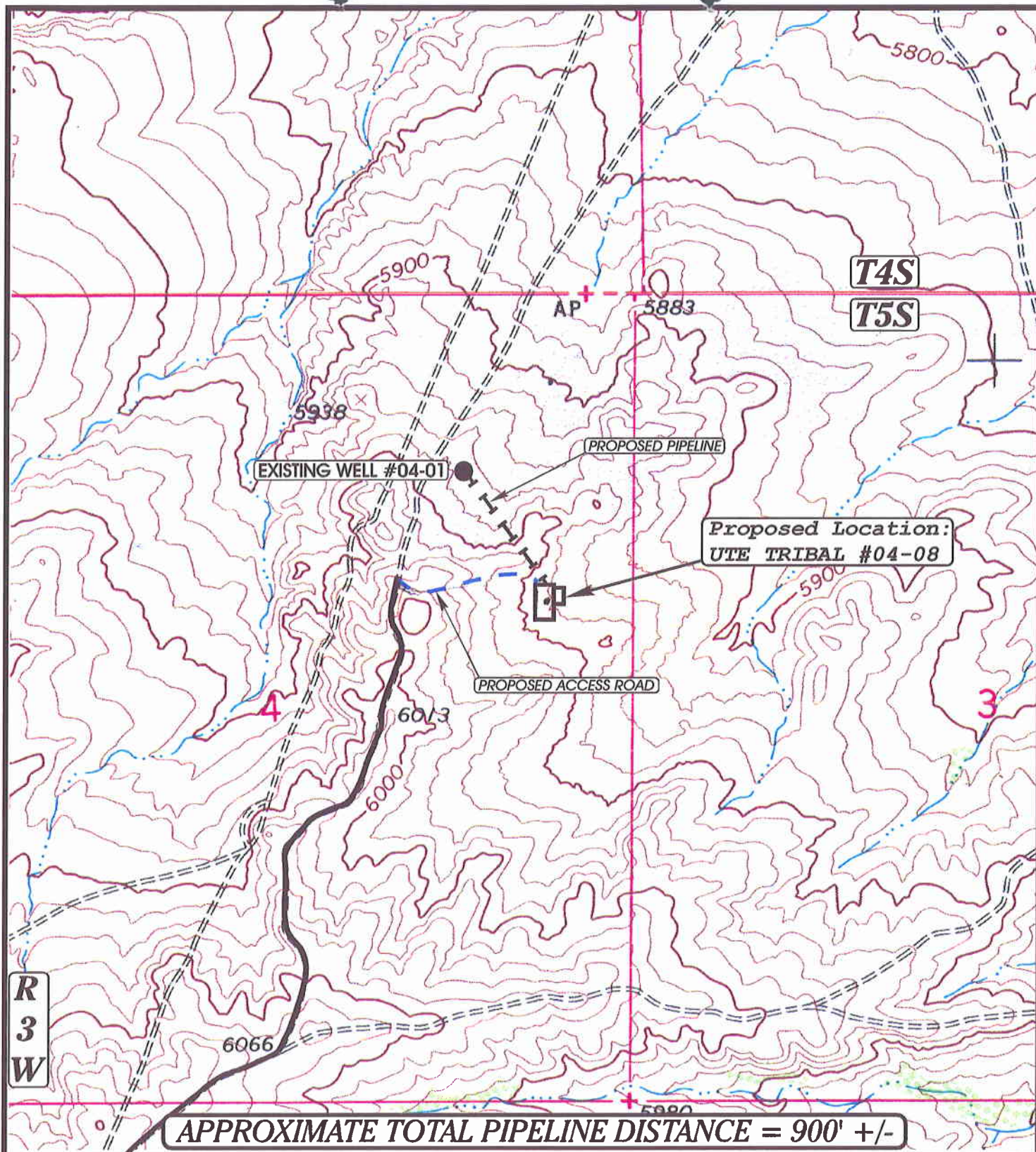
SCALE: 1" = 2000'

**PETROGLYPH OPERATING CO., INC.**

UTE TRIBAL #04-08  
SECTION 4, T5S, R3W, U.S.B.&M.  
**TOPOGRAPHIC  
MAP "C"**

DATE: 4-18-96 D.COX





**TOPOGRAPHIC  
MAP "D"**

**U  
E  
I  
S**

----- Existing Pipeline  
 HHHHHHHH Proposed Pipeline



**PETROGLYPH OPERATING CO., INC.**

**UTE TRIBAL #04-08  
 SECTION 4, T5S, R3W, U.S.B.&M.**

**DATE: 4-18-96  
 Drawn by: D.COX**

**UINTAH ENGINEERING & LAND SURVEYING**  
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WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 05/14/96

API NO. ASSIGNED: 43-013-31656

WELL NAME: UTE TRIBAL 04-02  
OPERATOR: PETROGLYPH OPERATING CO (N3800)

PROPOSED LOCATION:

NWNE 04 - T05S - R03W  
SURFACE: 0660-FNL-1970-FEL  
BOTTOM: 0660-FNL-1970-FEL  
DUCHESNE COUNTY  
ANTELOPE CREEK FIELD (060)

LEASE TYPE: IND  
LEASE NUMBER: 14-20-H62-3503

PROPOSED PRODUCING FORMATION: GRRV

INSPECT LOCATION BY: / /

TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

RECEIVED AND/OR REVIEWED:

☒ Plat  
☒ Bond: Federal ☒ State ☐ Fee ☐  
(Number Bo 4556)  
☒ Potash (Y/N)  
☒ Oil shale (Y/N)  
☒ Water permit  
(Number 43-10152)  
☒ RDCC Review (Y/N)  
(Date: \_\_\_\_\_)

LOCATION AND SITING:

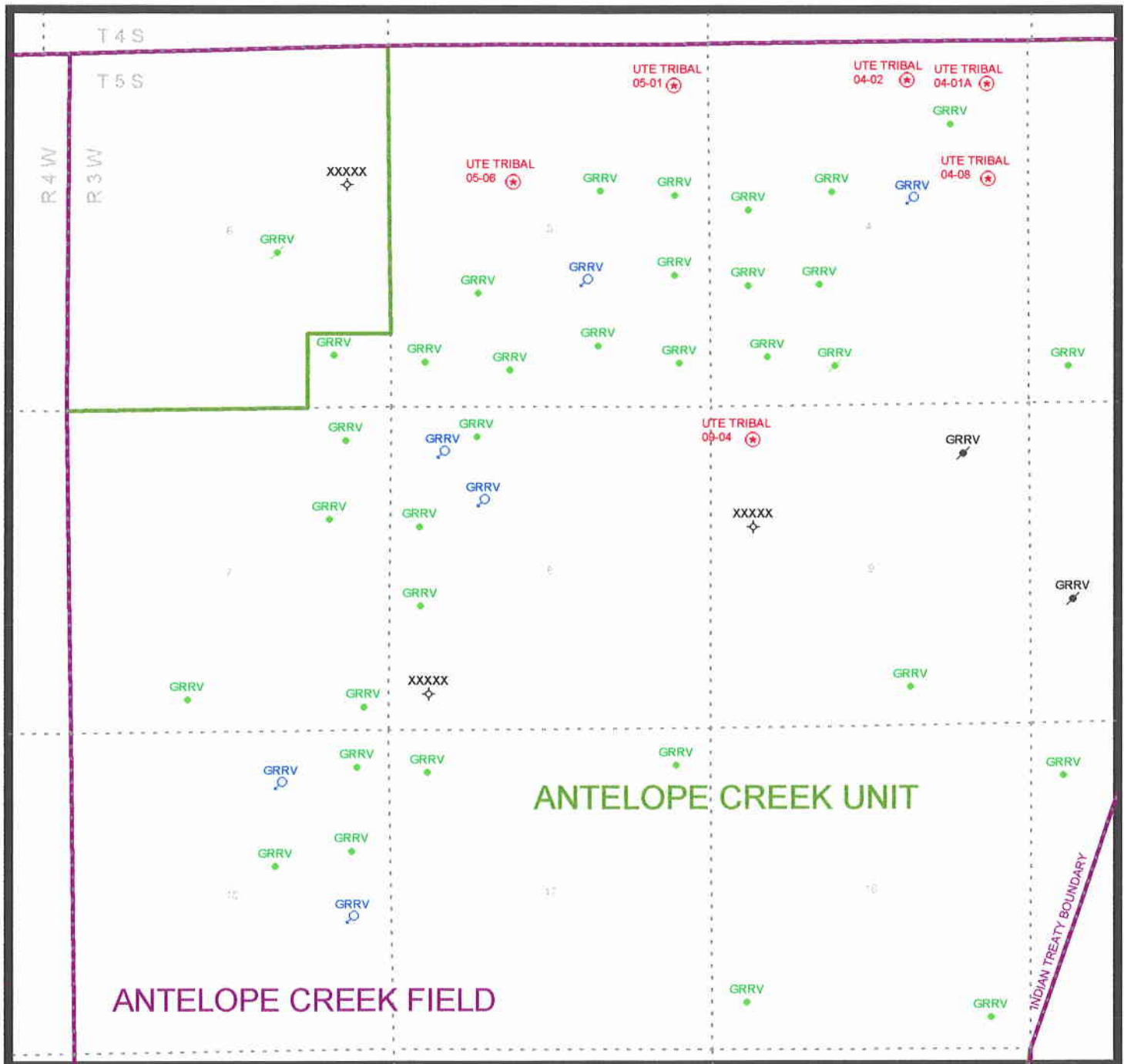
☒ R649-2-3. Unit: ANTELOPE CREEK  
☐ R649-3-2. General.  
☒ R649-3-3. Exception.  
☐ Drilling Unit.  
Board Cause no: \_\_\_\_\_  
Date: \_\_\_\_\_

COMMENTS: \_\_\_\_\_

STIPULATIONS: \_\_\_\_\_



# PETROGLYPH OPERATING DEVELOPMENT DRILLING ANTELOPE CREEK UNIT DUCHESNE COUNTY, UAC R649-2-3



**PREPARED:**  
**DATE:**  
**15-MAY-96**



**STATE OF UTAH, DIV OF OIL, GAS & MINERALS**

<b>Operator: PETROGLYPOH OPERATING</b>	<b>Well Name: UTE TRIBAL 04-02</b>
<b>Project ID: 43-013-31656</b>	<b>Location: SEC. 04 - T05S - R03W</b>

**Design Parameters:**

Mud weight ( 9.63 ppg) : 0.500 psi/ft  
 Shut in surface pressure : 2732 psi  
 Internal gradient (burst) : 0.077 psi/ft  
 Annular gradient (burst) : 0.000 psi/ft  
 Tensile load is determined using air weight  
 Service rating is "Sweet"

**Design Factors:**

Collapse : 1.125  
 Burst : 1.00  
 8 Round : 1.80 (J)  
 Buttress : 1.60 (J)  
 Other : 1.50 (J)  
 Body Yield : 1.50 (B)

Length (feet)		Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost	
1	6,461	5.500	15.50	J-55	ST&C	6,461	4.825		
	Load (psi)	Collapse Strgth (psi)	S.F.	Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Tension Load (kips)	Strgth (kips)	S.F.
1	3231	4040	1.250	3231	4810	1.49	100.15	202	2.02 J

Prepared by : MATTHEWS, Salt Lake City, Utah  
 Date : 05-17-1996  
 Remarks :

Minimum segment length for the 6,461 foot well is 1,500 feet.  
 SICP is based on the ideal gas law, a gas gravity of 0.75, and a mean gas  
 temperature of 119°F (Surface 74°F , BHT 164°F & temp. gradient 1.400°/100 ft.)  
 String type: Production  
 The mud gradient and bottom hole pressures (for burst) are 0.500 psi/ft and  
 3,231 psi, respectively.

**NOTE:** The design factors used in this casing string design are as shown above. As a general  
 guideline, Lone Star Steel recommends using minimum design factors of 1.125 - collapse (with  
 evacuated casing), 1.0 - (uniaxial) burst, 1.8 - API 8rd tension, 1.6 - buttress tension,  
 1.5 - body yield tension, and 1.6 - EUE 8rd tension. Collapse strength under axial tension  
 was calculated based on the Westcott, Dunlop and Kemler curve. Engineering responsibility  
 for use of this design will be that of the purchaser.  
 Costs for this design are based on a 1987 pricing model. (Version 1.07)



INJECTION WELL DATA  
(DATA INPUT SHEET FOR COMPUTER)

Township: 5S Range: 3W Section: 4 Qtr/Qtr: NWNE

API No: 43-013-31656

Operator Nm: PETROGLYPH OPERATING COMPANY Account No: N3800

Well Nm: ANTELOPE CREEK  
UTE TRIBAL 04-02

Field Nm: ANTELOPE CREEK Field No: 60

Unit Nm: ANTELOPE CREEK Unit No: 390

Cause No: \_\_\_\_\_

1st Inj: \_\_\_\_\_ Surf Csg: \_\_\_\_\_ Set @: \_\_\_\_\_

Avg InjP: \_\_\_\_\_ Int Csg: \_\_\_\_\_ Set @: \_\_\_\_\_

Max InjP: \_\_\_\_\_ Prod Csg: \_\_\_\_\_ Set @: \_\_\_\_\_

Max Rate: \_\_\_\_\_ Liner: \_\_\_\_\_ Set @: \_\_\_\_\_

PBTD: \_\_\_\_\_ Tbg: \_\_\_\_\_ Set @: \_\_\_\_\_

TD: \_\_\_\_\_ Dual Completion: Y N

Inj Zone: \_\_\_\_\_ Well Type: \_\_\_\_\_

Formation: GRRV Lease Type: \_\_\_\_\_

Approval: \_\_\_\_\_ Surf Owner: \_\_\_\_\_

PA Date: \_\_\_\_\_ Indian Country: Y N

\*\*\*\*\*

TEST DATE: \_\_\_\_\_

TEST TYPE: \_\_\_\_\_

WITNESSED: Y N

\_\_\_\_\_ PSI/HELD \_\_\_\_\_

COMMENTS:

PERMITTED BY EPA

INCOMPLETE DATA AVAILABLE





State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor

Ted Stewart  
Executive Director

James W. Carter  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340  
801-359-3940 (Fax)  
801-538-5319 (TDD)

May 17, 1996

Petroglyph Operating Company, Inc.  
P.O. Box 607  
Roosevelt, Utah 84066

Re: Ute Tribal #04-02 Well, 660' FNL, 1970' FEL, NW NE, Sec. 4,  
T. 5 S., R. 3 W., Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-31656.

Sincerely,

R. J. Firth  
Associate Director

lwp

Enclosures

cc: Duchesne County Assessor  
Bureau of Land Management, Vernal District Office  
WAPD



Operator: Petroglyph Operating Company, Inc.  
Well Name & Number: Ute Tribal #04-02  
API Number: 43-013-31656  
Lease: 14-20-H62-3503  
Location: NW NE Sec. 4 T. 5 S. R. 3 W.

### Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

2. Notification Requirements

Notify the Division within 24 hours following spudding the well or commencing drilling operations. Contact Jimmie Thompson at (801)538-5340.

Notify the Division prior to commencing operations to plug and abandon the well. Contact Frank Matthews or Mike Hebertson at (801)538-5340.

3. Reporting Requirements

All required reports, forms and submittals shall be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

b. TYPE OF WELL

OIL WELL ☒

GAS WELL ☐

OTHER

SINGLE ZONE ☐

MULTIPLE ZONE ☐

2. NAME OF OPERATOR

PETROGLYPH OPERATING CO., INC

3. ADDRESS AND TELEPHONE NO.

P.O. BOX 607 ROOSEVELT, UT 84066

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

660' FNL & 1970' FEL LOT 2

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

19.8 miles southwest of Myton, UT

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drig. unit line, if any)

660'

16. NO. OF ACRES IN LEASE

727.80

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

6461'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5924.3 Graded Ground

22. APPROX. DATE WORK WILL START\*

May 1996

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24.0#	250'	135 sx class "G" + 2% CaCl <sub>2</sub>
7 7/8	5 1/2	15.5#	6461'	+ 1/4 #/sx Celloflake.
50/50 POZMIX + 2% GEL + 10% SALT TO 400' ABOVE ALL ZONES OF INTEREST (+10% EXCESS). LIGHT CEMENT (11 PPG ±) + LCM TO 200' ABOVE OIL SHALE OR FRESH WATER INTERVALS ( + 5% EXCESS).				

PETROGLYPH OPERATING COMPANY INC WILL BE THE DESIGNATED  
OPERATOR OF THE SUBJECT WELL UNDER BOND # BO 4556.

pc: Utah Division of Oil, Gas and Mining  
Bureau of Indian Affairs, Fort Duchesne, UT  
Uintah & Ouray Tribe, Fort Duchesne, UT

RECEIVED

MAY 13 1996

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

TITLE

AGENT FOR PETROGLYPH

DATE

5-10-96

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED

APPROVED BY

TITLE

ASSISTANT DISTRICT  
MANAGER MINERALS

DATE

MAY 17 1996

\*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Petroglyph Operating Company

Well Name & Number: Ute Tribal 04-02

API Number: 43-013-31656

Lease Number: 14-20-H62-3503

Location: Lot 2 Sec. 02 T. 5S R. 3W

**NOTIFICATION REQUIREMENTS**

- |                                 |   |   |
|---------------------------------|---|---|
| Location Construction           | - | at least forty-eight (48) hours prior to construction of location and access roads.   |
| Location Completion             | - | prior to moving on the drilling rig.  |
| Spud Notice                     | - | at least twenty-four (24) hours prior to spudding the well.   |
| Casing String and Cementing     | - | at least twenty-four (24) hours prior to running casing and cementing all casing strings.   |
| BOP and Related Equipment Tests | - | at least twenty-four (24) hours prior to initiating pressure tests.   |
| First Production Notice         | - | within five (5) business days after new well begins, or production resumes after well has been off production for more than ninety (90) days. |

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.



## CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Orders, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative by the operator to insure compliance.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

### A. DRILLING PROGRAM

#### 1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered

Report **ALL** water shows and water-bearing sands to Tim Ingwell of this office **prior to setting the next casing string or requesting plugging orders**. Faxed copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

All usable water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

#### 2. Pressure Control Equipment

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., for a **2M** system and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests.

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

If an air compressor is on location and is being utilized to provide air for the drilling medium while drilling, the special drilling requirements in Onshore Oil and Gas Order No. 2, regarding air or gas drilling shall be adhered to. If a mist system is being utilized then the requirement for a deduster shall be waived.



3. Casing Program and Auxiliary Equipment

Surface casing shall have centralizers on the bottom three joints, with a minimum of one centralizer per joint.

If conductor pipe is set it will be cemented to surface. If drive pipe is used it will be pulled prior to cementing surface casing.

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the top of the usable water zone identified at  $\pm 239$  ft. or by setting the surface casing at  $\pm 289$  ft. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

4. Mud Program and Circulating Medium

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

5. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

All Drill Stem tests (DST) shall be accomplished during daylight hours, unless specific approval to start during other hours is obtained from the AO. However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vaporproof for safe operations). Packers can be released, but tripping should not begin before daylight unless prior approval is obtained from the AO.

A cement bond log (CBL) will be run from the production casing shoe to **TOP OF CEMENT** if the surface casing is set at  $\pm 289$  ft. or it will be run to **SURFACE** if the surface casing is set at  $\pm 300$  ft. and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.



Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the AO.

6. Notifications of Operations

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

The Vernal District Office shall be notified, during regular work hours (7:45 a.m.-4:30 p.m., Monday through Friday except holidays), at least 24 hours prior to spudding the well.

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) days following the date on which the well is placed on production.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the Authorized Officer. Should gas be vented or flared without



approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

A schematic facilities diagram as required by 43 CFR 3162.7-5 (b.9. d.), and shall be submitted to the appropriate District Office within sixty (60) days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-5 (b. 4).

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the AO.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted following initial installation and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.



Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hours approval or notification is necessary, please contact one of the following individuals:

Wayne Bankert           (801) 789-4170  
Petroleum Engineer

Ed Forsman             (801) 789-7077  
Petroleum Engineer

Jerry Kenczka          (801) 789-1190  
Petroleum Engineer

BLM FAX Machine       (801) 781-4410



## EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

While the following wastes are nonexempt, they are not necessarily hazardous.

- Unused fracturing fluids or acids
- Gas plant cooling tower cleaning wastes
- Painting wastes
- Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spent solvents, spilled chemicals, and waste acids
- Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste
- Refinery wastes
- Liquid and solid wastes generated by crude oil and tank bottom reclaimers
- Used equipment lubrication oils
- Waste compressor oil, filters, and blowdown
- Used hydraulic fluids
- Waste solvents
- Waste in transportation pipeline-related pits
- Caustic or acid cleaners
- Boiler cleaning wastes
- Boiler refractory bricks
- Incinerator ash
- Laboratory wastes
- Sanitary wastes
- Pesticide wastes
- Radioactive tracer wastes
- Drums, insulation and miscellaneous solids.



**SURFACE USE PLAN OF OPERATION**  
Conditions of Approval (COA's)

1. All vehicular traffic, personnel movement, construction and restoration operations should be confined to the areas examined, as referenced in report, and to the existing roadways and/or evaluated access routes.
2. All recommendations of the Bureau of Indian Affairs, combined site specific Environmental Analysis (EA) report shall be strictly adhered, during and after construction.
3. All personnel should refrain from collecting artifacts and from disturbing any significant cultural or paleontological resources in the area.
4. The personnel from the Ute Tribe Energy & Minerals Department should be consulted, should cultural remains from subsurface deposits be exposed during construction work.
5. All construction will be monitored by Tribal Technician. Prior notification to Ute Tribe Energy & Minerals required.

**Mitigation stipulations** from the combined site specific Environmental Analysis.

1. Before the site is abandoned the company will be required to restore the well pad and access road to near their original state. The disturbed area will be reseeded with desirable perennial vegetation.
2. Noxious weeds will be controlled on all well sites and rights-of-way. If noxious weeds spread from the well sites or rights-of-way onto adjoining land, the company will also be responsible for their control.
3. The pipeline will be constructed to lay on the soil surface, and the right-of-way will not be bladed or cleared of vegetation.

Where pipelines are constructed parallel to roads they may be welded on the road and then lifted from the road onto the right-of-way.

Where pipelines do not parallel roads but cross country between stations, they shall be welded in place at wellsites or on access roads and then pulled between stations with a suitable piece of equipment. Traffic will be restricted along these areas so that the pipeline right-of-way will not be used as an access road.



4. An open drilling system shall be used. The reserve pit will be lined with an impervious synthetic liner. After the drilling operation is complete, excess fluids shall be removed from the reserve pit and either hauled to an approved disposal site or shall be used to drill other wells. When the fluids are removed, the pit shall be backfilled a minimum of 3.0 feet below the soil surface elevation.
5. A closed production system will be used. This means all produced water and oil field fluid wastes shall be contained in leak proof tanks. These fluids shall be disposed of in either approved injection wells or disposal pits.



## SPUDDING INFORMATION

Date: 5/23/96 Signed: JLT



STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

ENTITY ACTION FORM - FORM 6

OPERATOR Petroglyph Operating Company, Inc.

OPERATOR ACCT. NO. N3800

ADDRESS P.O. Box 1839  
Hutchinson, KS 67504-1839

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	<del>11991</del> 11991		43-013-31656	Ute Tribal 04-02	Lot 2 NW NE	4	5S	3W	Duchesne	5/20/96	
WELL 1 COMMENTS: <p>This well shares a common tank battery with the Ute Tribal 04-03. Entity added 5/30/96. <i>[Signature]</i></p>											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

*[Signature]*  
Signature  
Admin. Operations Mgr. 5/29/96  
Title Date  
Phone No. 316, 665-8500

(3/89)



## ENTITY ACTION FORM - FORM 6

OPERATOR Petroglyph Operating Company, Inc.

OPERATOR ACCT. NO.

N3800ADDRESS P.O. Box 607Roosevelt, UT 84066

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	11911	→		Ute Tribal 04-02	Lot2	4	5	3	Duchesne	5/20/96	
WELL 1 COMMENTS: <i>Entity previously added 5-30-96. Yec</i>											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

## ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

Deanna Bell  
Signature Deanna BellOperations Coordinator 5/21/96  
Title Date

Phone No. (801) 722-2531



PETROGLYPH GAS PARTNERS, L.P.  
AND  
PETROGLYPH OPERATING COMPANY, INC.

P.O. Box 1839  
Hutchinson, Kansas 67504-1839  
Tele: (316) 665-8500  
Fax: (316) 665-8577

P.O. Drawer 607  
Roosevelt, Utah 84066  
Tele: (801) 722-2531  
Fax: (801) 722-9145

TELECOPIER TRANSMITTAL SHEET

**PRIVILEGED AND CONFIDENTIAL**

This facsimile contains privileged and confidential information intended only for the use of the individual or entity named below. If the reader of the facsimile is not the intended recipient or the employee or agent responsible for delivering it to the intended recipient, you are hereby on notice that you are in possession of confidential and privileged information. Any dissemination, distribution or copying of this facsimile is strictly prohibited. If you have received this facsimile in error, please immediately notify the sender by telephone (collect) and return the original to the sender at the above address via the U.S. Postal Service.

This transmission consists of 2 page(s), including this cover sheet. Please deliver to recipient immediately!!

TO:	<u>Lisha Cordova</u>	COMPANY:	<u>DOGM</u>
FROM:	<u>Angie Ely</u>	COMPANY:	<u>POCI</u>
FAX NUMBER:	<u>(801) 359-3940</u>	DATE:	<u>5/29/96</u>

MESSAGE:

Please disregard Form 6 sent in 5/21/96 #  
use the following.

This telecopy is being transmitted by a Canon FAX-L775. If you are experiencing difficulties in receiving this fax, please call (316) 665-8500.

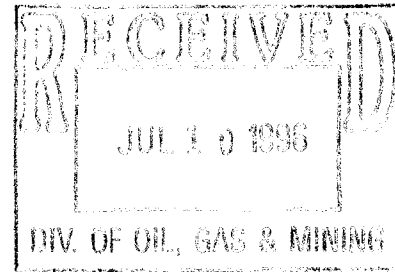


CONFIDENTIAL

VIA UPS

July 5, 1996

Ron Firth  
State of Utah  
Division of Oil, Gas & Mining  
3 Triad Center, Suite 350  
355 West North Temple  
Salt Lake City, UT 84180-1203



Mr. Firth:

Enclosed please find the logs listed below for the wells located in Duchesne County, Utah.

<u>Well Name</u>	<u>Log</u>
Ute Tribal 04-02 43013 31656	CNL, AIL 5S 3W 4
Ute Tribal 04-03 43013 31617	CBL 5S 3W 4
Ute Tribal 04-04 43013 31574	CBL 5S 3W 4
Ute Tribal 05-01 43013 31658	CNL, AIL, CBL 5S 3W 5
Ute Tribal 09-04 43013 31660	CNL, AIL, CBL 5S 3W 9
Ute Tribal 18-03 43013 31528	CNL, AIL 5S 3W 18
Ute Tribal 18-10 43013 31595	CNL, AIL, CBL 5S 3W 18
Ute Tribal 28-06 43013 31594	CBL 5S 3W 28
Ute Tribal 28-11 43013 31575	CBL 5S 3W 28
Ute Tribal 28-13 43013 31576	CBL 5S 3W 28
Ute Tribal 32-01 43013 31577	CBL 5S 3W 32

If you have any questions, please do not hesitate to contact me at (316) 665-8500.

Sincerely,

CONFIDENTIAL

Angela R. Ely  
Administrative Operations Manager

ARE/ms

Enclosures



Form 3160-4  
(November 1983)  
(formerly 9-330)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE\*

(See other In-  
structions on  
reverse side)Form approved.  
Budget Bureau No. 1004-0137  
Expires August 31, 1985

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ PIPE REPAIR ☐ Other ☐

2. NAME OF OPERATOR

Petroglyph Operating Company, Inc.

3. ADDRESS OF OPERATOR

P.O. Box 1839, Hutchinson, KS 67504-1839 (316) 665-8500

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*

At surface

660' FNL &amp; 1970' FE1 Lot 2

At top prod. interval reported below

At total depth 6459' RTD

14. PERMIT NO.

DATE ISSUED

43-013-31656

15. DATE SPUDDED

16. DATE T.D. REACHED

17. DATE COMPL. (Ready to prod.)

18. ELEVATIONS (DP, RKB, RT, GR, ETC.)\*

19. ELEV. CASINGHEAD

5/21/96

5/27/96

7/6/96

5934 KB

5924 GL

20. TOTAL DEPTH, MD &amp; TVD

21. FLUID, BACK T.D., MD &amp; TVD

22. IF MULTIPLE COMPL. HOW MANY\*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

6459 KB

6401 KB

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*

6378-84'

5550-54'

5536-42'

5392', 97'

25. WAS DIRECTIONAL SURVEY MADE

5810-14'

5570-90'

5484-96'

5407', 17', 19', 21',

5845-57'

5526-30'

5506-10'

23', 27', 51', 57'

NO

26. TYPE ELECTRIC AND OTHER LOGS RUN

Litho Density, Compensated Neutron, Gamma Ray, AIT &amp; FMI

27. WAS WELL CORED  
NO

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24#	256'	12 1/4	150 sx G + 2% CaCl <sub>2</sub> + 25#/sx Gelop	
5 1/2"	15.5#	6459'	7 7/8	80 sx high lift + 315 sxs 10-0 REC + 600 sx G neat + 2% CaCl <sub>2</sub>	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	6165	

31. PERFORATION RECORD (Interval, size and number)

6378-84' 25 holes .38" 5526-30' 17 holes .38"  
5810-14' 17 holes .38" 5536-42' 25 holes .38"  
5845-57' 49 holes .38" 5484-96' 49 holes .38"  
5550-54' 17 holes .38" 5506-10' 17 holes .38"  
5570-90' 81 holes .38" 5514-18' 17 holes .38"  
5392' 1 hole .38" 5397' 1 hole .38" 5407' 1 hole

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6378-84'	3800 gal Gel + 12150# 20/40
5810-57'	16500 gal Gel + 46860# Propanit
5550-90'	16000 gal Gel + 50860# Propanit
5526-42'	5300 gal Gel + 18520# Propanit

33.\*

PRODUCTION

DATE FIRST PRODUCTION 7-19-96		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pump 2 1/2" x 2" x 14' 40 ring P.A.				WELL STATUS (Producing or shut-in) Producing	
DATE OF TEST 7-28-96	HOURS TESTED 24	CHOKER SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL. 107	GAS—MCF. 0	WATER—BBL. 40	GAS-OIL RATIO
FLOW, TUBING PRESS.	CASING PRESSURE 1100	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

sold, used for fuel

TEST WITNESSED BY

Dave Schreiner

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

L. J. Ball

TITLE Operations Coordinator

DATE 7-11-96

\*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



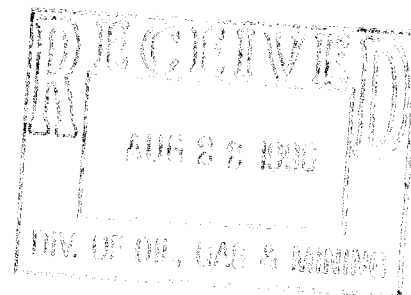
37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, flowing and shut-in pressures, and recoveries):

GEOLOGIC MARKERS

38.

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
X Marker	4649					
Douglas Creek	4788					
B. Limestone	5168					
Castle Peak	5784					
Basal Carbonate	6168					





August 15, 1996

Ron J. Firth  
State of Utah  
Division of Oil, Gas & Mining  
3 Triad Center, Suite 350  
355 West North Temple  
Salt Lake City, UT 84180-1203

Mr. Firth:

Please let this serve as a request from Petroglyph Operating Company, Inc. for your agency to keep all information in a **"TIGHT HOLE"** confidential status and do not release for a period of two (2) years.

If you have any questions, please do not hesitate to contact me at (316) 665-8500.

Sincerely,

Angela R. Ely  
Administrative Operations Manager

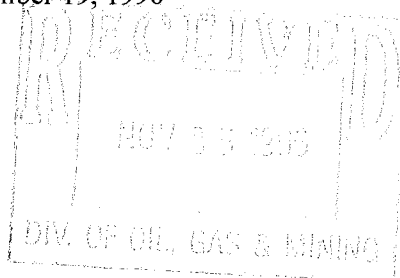
ARE/ms



CONFIDENTIAL

November 19, 1996

Vicky Dyson  
State of Utah  
Division of Oil, Gas & Mining  
1594 W. North Temple, Ste. 1210  
Salt Lake City, UT 84114



Ms. Dyson:

*43-013-31656 055 03W 04*

I received your letter of September 6, 1996 and 2<sup>nd</sup> notice requesting a copy of an FMI log ran on the Ute Tribal 04-02. Please refer to my letter dated March 26, 1996 where I stated that due to the tremendous cost of this log, Petroglyph ran only one copy and could not furnish additional copies.

I did locate a copy of the Ute Tribal 08-02 CBL log and have enclosed it for your files. The completion report noting the ML on the Ute Tribal 04-03 was incorrectly added, we do not show that we received a copy either, so I have none to send.

I apologize for overlooking this data and would ask if you have any further questions, please do not hesitate to contact me at (316) 665-1473.

Sincerely,

Angela R. Ely  
Administrative Operations Manager

ARE/ms



# PETROGLYPH OPERATING COMPANY, INC.

---

P. O. Box 607

Roosevelt, UT 84066

(801) 722-2531

Fax: (801) 722-9145

Ute Tribal 04-02 cont'd.

31. (cont.)

5417' 1 hole	5374-5380	25 shots
5419' 1 hole	5360-5368	33 shots
5421' 1 hole		
5423' 1 hole		
5427' 1 hole		
5451' 1 hole		
5457' 1 hole		

32. (cont.)

5484-5518'	8500 gal Gel + 34040# Propant
5392-5357'	35450 gal Gel + 130640# Propant



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Petroglyph Operating Company, Inc.

3. Address and Telephone No.

P.O. Box 1839 Hutchinson, KS 67504-1839 (316) 665-8500

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NW NE Sec. 4-T5S-R3W  
660' FNL 1970' FEL

5. Lease Designation and Serial No.  
14-20-H62-3503

6. If Indian, Allottee or Tribe Name

Ute Indian Tribe

7. If Unit or CA, Agreement Designation

14-20-H62-4650

8. Well Name and No.

Ute Tribal 04-02

9. API Well No.

43-013-31656

10. Field and Pool, or Exploratory Area

Antelope Creek

11. County or Parish, State

Duchesne County, UT

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☐ Other \_\_\_\_\_  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☒ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Petroglyph Operating Company, Inc. has submitted an application for a UIC permit to convert the Ute Tribal 04-02 from a producing well to an injection well under the EPA Area Permit #UT2736-00000 within the Antelope Creek Waterflood Project Area located in Duchesne County, Utah.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY**

14. I hereby certify that the foregoing is true and correct

Signed April Merzies

Title Petroleum Engineering/Geo. Tech. Date 2/21/97

(This space for Federal or State office use)

Approved by \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

Conditions of approval, if any:



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT" for such proposals

**SUBMIT IN TRIPLICATE**

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires March 31, 1993

5. Lease Designation and Serial No.  
**14-20-H62-3511**

6. If Indian, Allottee or Tribe Name  
**Ute Indian Tribe**

7. If Unit or CA, Agreement Designation  
**14-20-H62-4650**

8. Well Name and No.  
**Ute Tribal 04-02**

9. API Well No. **31656**  
**43-013-3478**

10. Field and Pool, or Exploratory Area  
**Antelope Creek**

11. County or Parish, State  
**Duchesne County, UT**

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
**Petroglyph Operating Company, Inc.**

3. Address and Telephone No.  
**P.O. Box 1839, Hutchinson, KS 67504-1839; (316) 665-8500**

4. Location of Well (Footage, Sec., T., R., or Survey Description)  
**2000' FSL AND 600' FWL  
SE NW Sec. 4 T5S R 3W**

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

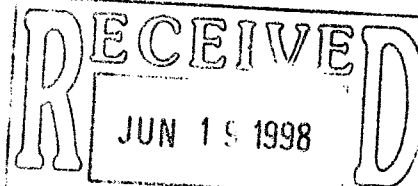
- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other **Commence injection**  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Petroglyph Operating Company, Inc. has requested approval to inject fluids in the Ute Tribal #04-02 under EPA Area Permit #UT2736-00000 within the Antelope Creek Waterflood Project Area located in Duchesne County, Utah.

Further to BLM & EPA approval (Permit #UT2736-04356), enclosed are copies of the MIT and Job Summary. Approval to inject fluids was granted by the EPA on 1/27/98. Injection commenced on 1/30/98.



14. I hereby certify that the foregoing is true and correct

Signed **Kathy Turner**

Title **Petroleum Engineering Tech**

Date **June 9, 1998**

(This space for Federal or State official use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_

Date \_\_\_\_\_

Conditions of Approval, if any:



# Mechanical Integrity Test

## Casing or Annulus Pressure Test for Well UT2736-04356

U.S. Environmental Protection Agency

Underground Injection Control Program, UIC Implementation Section, 8WM-DW

999 18th Street, Suite 500, Denver, CO 80202-2466

This form was printed on 02/14/1997.

EPA Witness: \_\_\_\_\_

Date 11/7/98Test conducted by: David Schreiner

Others present: \_\_\_\_\_

UTE TRIBAL #04-02

2R UC as of / /

ANTELOPE CREEK

NWNE 04 05S 03W

Petroglyph Operating Company, Inc., Hutchinson, KS Op ID FTG01

Last MIT: No record / /

Max Allowed Press psig 1996 Max Reported Press 0 psig

Is this a regularly scheduled test? ☐ Yes ☐ NoInitial test for permit? ☒ Yes ☐ NoTest after well rework? ☐ Yes ☐ NoWell injecting during test? ☒ NO ☐ YES

BPD

Initial casing/tubing annulus pressure 1440 psigDoes the annulus pressure build back up? ☐ Yes ☒ No

## TUBING PRESSURE

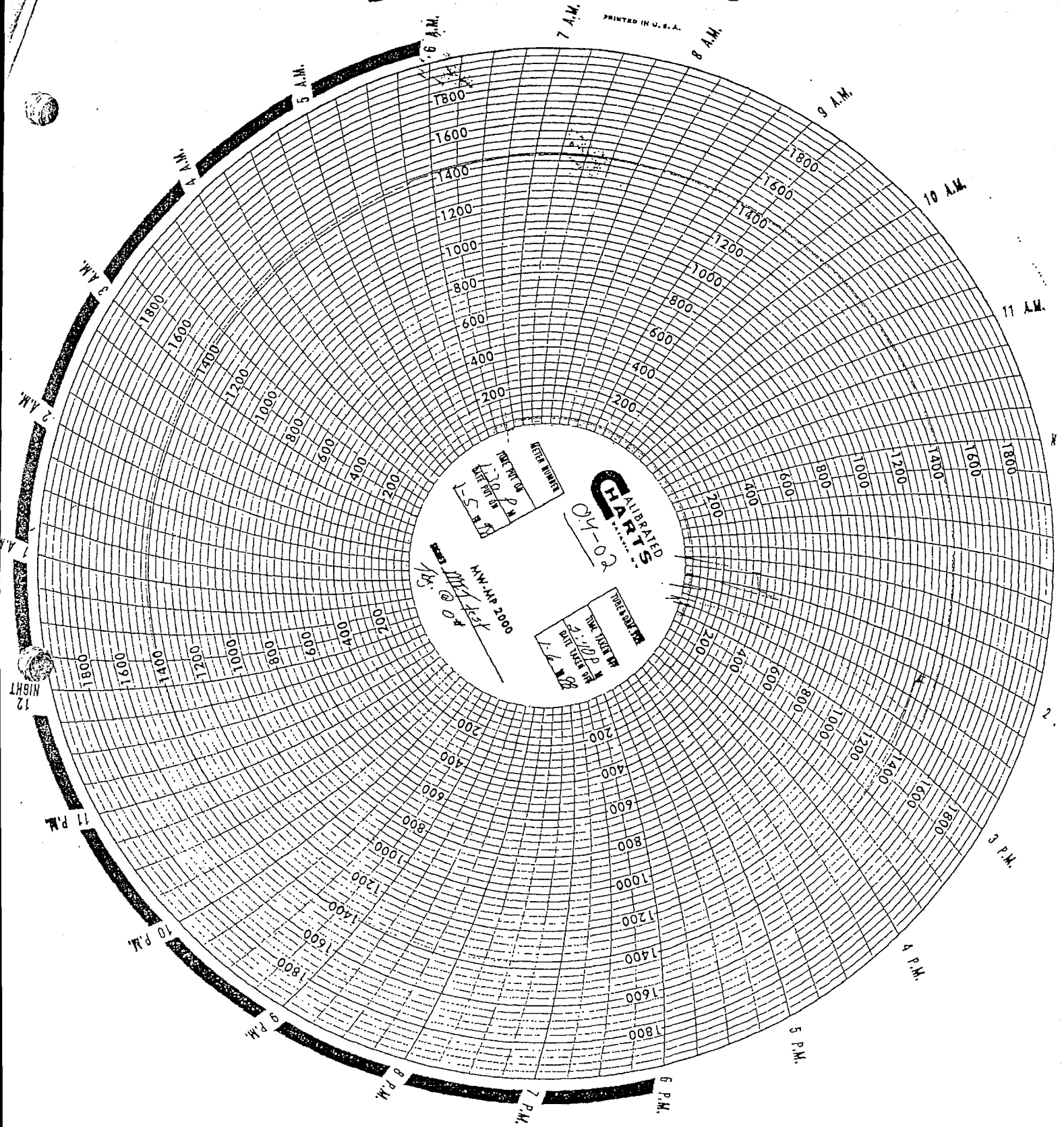
Initial	psig	psig	psig
End of Test	psig	psig	psig

## CASING/TUBING ANNULUS PRESSURE

Time	Test #1	Test #2	Test #3
0 min	<u>1440</u> psig	psig	psig
5	<u>1440</u>		
10	<u>1440</u>		
15 min	<u>1440</u>		
20	<u>1440</u>		
25	<u>1440</u>		
30 min	<u>1440</u>		
24 HRS	<u>1320</u>		
Result (circle)	Pass Fail	Pass Fail	Pass Fail



PRINTED IN U.S.A.





# **PETROGLYPH** Operating Company, Inc.

6209 North Highway 61, Hutchinson, Kansas 67502 • P.O. Box 1839, Hutchinson, Kansas 67501-1839

January 9, 1998

Mr. Chuck Williams  
U. S. Environmental Protection Agency  
UIC Implementation Section, 8 P2-W-GW  
999 18<sup>th</sup> Street, Suite 5000  
Denver, CO 80202-2466

**RE: EPA AREA PERMIT NO. UT2736-00000**  
**Ute Tribal #04-02, (Permit No. UT2736-04356)**  
**Lot 2, Sec. 4, T5S, R3W, Duchesne County, Utah**

Dear Mr. Williams:

In accordance with the regulations stated under Part II.C.2 that pertain to the above-referenced permit, the following conditions have been fulfilled and are enclosed:

1. Well Rework Record (EPA Form 7520-12);
2. The pore pressure of the above-referenced well is 1378.74 psi; and
3. Mechanical Integrity Test has been successfully completed and passed.

I am requesting immediate approval (via facsimile) to inject fluids (water and/or gas) at the earliest possible date. If you have any questions or need additional information, please do not hesitate to call.

Sincerely,

*Kathy Turner*

Kathy Turner  
Petroleum Engineering Technician

/kt

Enclosures



## WORKOVER REPORT

6/1/98

Petroglyph Operating Co., Inc.

Operator: Petroglyph Operating Company, Inc. Elevation: KB 5934  
Lease: Ute Tribal 04-02 GL 5924  
API #: 43-013-31656 Property: 11190  
Location: 4-5 S-3 W AFE/EPE Number:  
County, St.: Duchesne UT Event Type: convert to injector

### Activity Date

### Activity Description

12/30/97

7:00 a.m. SITP 300. SICP 100. Open well to tank. Back off rods. Strip rod & tubing out of hole. Total jts 197, total 7/8 rods 99, total 3/4 rods - 143. PU 5 1/2 x 2 3/8 arrow, set pkr w/H nipple tally in hole w/ 2 3/8 tubing 164 jts. ND BOP's. NU well head, pump 100 bbls packer fluid down csg, RIH w/ std valve on sand line to H nipple. Pressure up on tbg to 2500 psi. Set packer. POOH w/sand line. PU on tbg, pull 10,000 over string weight. Test csg 1000 psi for 15 min. Lost 0 in 15 min. Drain pump & lines. Pump 20 gal diesel dwn csg for freeze blanket. Will rig dwn in a.m. 6:30 p.m.

### FINAL REPORT

zones open to Injection

H1@ 6378-84 (25 holes)  
E2 @ 5845-57 (49 holes)  
E1 @ 5810-14 (17 holes)  
D7.21 @ 5570-90 (81 holes)  
D7.21 @ 5550-54 (17 holes)  
D7.2 @ 5536-42 (25 holes)  
D7.2 @ 5526-30 (17 holes)  
D7.2 @ 5514-18 (17 holes)  
D7.2 @ 5506 - 10 (17 holes)  
D7.2 @ 5448-96 (49 holes)  
D7.0 @ 5392-98 (18 holes)  
D7.0 @ 5404-30 (67 holes)  
D7.0 @ 5248-52 (18 holes)  
D7.0 @ 5456-58 (10 holes)  
D7.0 @ 5374-80 (25 holes)  
D7.0 @ 5360-68 (33 holes)

### Tubing Detail

KB	10.00	
2 7/8 sub	4.00	
2 7/8 x 2 3/8 Xover	.72	
164 jts 2 3/8 4.70# tubing	5212.29	
2 3/8 x 2 7/8 Xover	.72	
5 1/2 arrow set packer	7.67	5235.40
f nipple	.85	
EOT @		5236.25
Note to packer elements	3'	



## WORKOVER REPORT

6/1/98

Petroglyph Operating Co., Inc.

Operator: Petroglyph Operating Company, Inc.

Elevation: KB 5934

Well: Ute Tribal 04-02

GL 5924

County, St.: Duchesne UT

### Activity Date

### Activity Description

12/29/97

7:00 a.m. RD pump jack. Try to unseat pump. Hot oil csg w/100 bbls prod wtr 250 deg. Work rod string, won't unseat. Back off rods. Circ well w/ 210 bbls prod wtr to clean well bore & rods. LD 167 rods 7/8 & 3/4, ND well head. NU BOP's. Release TAC. Start out of hole. LD 2 7/8 tbg 134 jts. Drain pump & lines. 5:30 SWIFN.

12/23/97

1:00 p.m. MIRU service rig. Spot in sq. Start unit up for long weekend. SWIFN 3:00 p.m.





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 8

1595 Wynkoop Street  
DENVER, CO 80202-1129  
Phone 800-227-8917  
<http://www.epa.gov/region08>

Ref: 8ENF-UFO

FEB 23 2012

CERTIFIED MAIL 7009-3410-0000-2599-1547  
RETURN RECEIPT REQUESTED

RECEIVED

FEB 27 2012

DIV. OF OIL, GAS & MINING

Mr. Les Farnsworth, District Supervisor  
Petroglyph Operating Company, Inc.  
4116 W 3000 S Ioka Lane  
P.O. Box 607  
Roosevelt, UT 84066

**Accepted by the  
Utah Division of  
Oil, Gas and Mining**

**FOR RECORD ONLY**

5S 3W 4  
Re: Underground Injection Control (UIC)  
Permission to Resume Injection  
Ute Tribal 04-02 Well  
EPA ID# UT20736-04356  
API # 43-013-31656  
Antelope Creek Oil Field  
Duchesne County, UT

Dear Mr. Farnsworth:

On February 14, 2012, the Environmental Protection Agency (EPA) received information from Petroglyph Operating Company, Inc. on the above referenced well concerning the workover to address a tubing leak and the followup mechanical integrity test (MIT) conducted on February 8, 2012. The data submitted shows that the well passed the required MIT. Therefore, pursuant to Title 40 of the Code of Federal Regulations Section 144.51(q)(2) (40 C.F.R. §144.51(q)(2)), permission to resume injection is granted. Under continuous service, the next MIT will be due on or before February 8, 2017.

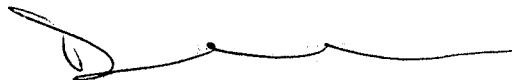
Pursuant to 40 C.F.R. §144.52(a)(6), if the well is not used for a period of at least two (2) years ("temporary abandonment"), it shall be plugged and abandoned unless EPA is notified and procedures are described to EPA ensuring the well will not endanger underground sources of drinking water ("non-endangerment demonstration") during its continued temporary abandonment. A successful MIT is an acceptable non-endangerment demonstration and would be necessary every two (2) years the well continues in temporary abandonment.

Failure to comply with a UIC Permit, or the UIC regulations found at 40 C.F.R. Parts 144 through 148 constitute one or more violations of the Safe Drinking Water Act, 42 U.S.C. §300h. Such non-compliance may subject you to formal enforcement by EPA, as codified at 40 C.F.R. Part 22.



If you have any questions concerning this letter, you may contact Sarah Roberts at (303) 312-7056. Please direct all correspondence to the attention of Sarah Roberts at Mail Code 8ENF-UFO.

Sincerely,



Darcy O'Connor, Acting Director  
UIC/FIFRA/OPA Technical Enforcement Programs

cc: Irene Cuch, Jr., Chairman  
Uintah & Ouray Business Committee  
P.O. Box 190  
Fort Duchesne, Utah 84026

Phillip Chimburas, Councilman  
Uintah & Ouray Business Committee  
P.O. Box 190  
Fort Duchesne, Utah 84026

Richard Jenks, Councilman  
Uintah & Ouray Business Committee  
P.O. Box 190  
Fort Duchesne, Utah 84026

Mike Natchees, Environmental  
Coordinator  
Ute Indian Tribe  
P.O. Box 460  
Fort Duchesne, Utah 84026

John Rogers  
Utah Division of Oil, Gas and Mining  
P.O. Box 145801  
Salt Lake City, Utah 84114

Ronald Wopsock, Vice-Chairman  
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Stewart Pike, Councilman  
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Frances Poowegup, Councilwoman  
Uintah & Ouray Business Committee  
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Manuel Myore, Director of Energy,  
Minerals and Air Programs  
P.O. Box 70  
Ute Indian Tribe  
Fort Duchesne, Utah 84026

